



# **Ashore fall protection system for cranes**

**Naval Facilities  
Engineer Command  
Southwest,  
San Diego, CA**

# **Man Rated Fall Protection System for BSV&E**

- **NAVFACSW BSV&E has had an ongoing problem of supplying adequate fall protection to personnel working at elevated heights on our mobile cranes.**
- **Crane and Rigging does supply rolling staging and platforms for working on these cranes but, this solution does not offer adequate fall protection when working on top of the booms of these cranes.**
- **Crane and Rigging and our safety department have been working together to find a solution to this problem**
- **We have purchased an ADJUSTABLE FREESTANDING HORIZONTAL RAIL SYSTEM and are currently evaluating this units effectiveness. This unit appears to be ideal for our intended use.**

# **Man Rated Fall Protection System for BSV&E**

**Personnel working on crane boom before the fall protection system arrived. OPNAVINST 5100.23G mandates for ashore commands, fall protection in place for heights greater than four (4) feet**



# Man Rated Fall Protection System for BSV&E



**System is completely assembled**

08/02/2007



# Man Rated Fall Protection System for BSV&E





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# Man Rated Fall Protection System for BSV&E

Double by-pass rails with SRLs on trolley





# Man Rated Fall Protection System for BSV&E



Jacks are extended after system is in place

08/02/2007



# Man Rated Fall Protection System for BSV&E

- This photo demonstrates system in place over crane. This system extends from 17 feet to 27 feet and therefore offers the versatility to be used on our entire inventory of mobile cranes while allowing sufficient clearance for SRL to operate properly.



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- Tag line is attached to SRL. Clip on SRL is pulled to ground level and the SRL is then connected directly to employees harness.





# Man Rated Fall Protection System for BSV&E

- Employee transiting to top of boom with SRL attached to harness. This system allows complete fall protection throughout the entire climbing evolution.



# Man Rated Fall Protection System for BSV&E

**Personnel  
attached  
to this  
system  
have a 12'  
wide 32'  
long  
range of  
motion**





# Man Rated Fall Protection System for BSV&E



**Training provided by contracting rep.**



# Man Rated Fall Protection System for BSV&E





# **Man Rated Fall Protection System**

**Any questions concerning this system please  
contact:**

- |  |   |
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